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53. (New) The method of claim 50 wherein determining a second data-type to which the data must be converted is accomplished in response to a user selection.
54. (New) The method of claim 50 wherein the second data-type designates a resource to which the data is transmitted on the device.
55. (New) The method of claim 50 wherein the message further comprises information identifying a second device to which the data is transmitted.
56. (New) The method of claim 50 wherein the message is transmitted without receiving a request for the data from the device.
57. (New) The method of claim 50 wherein the information identifying the first data-type, information identifying the second data-type, and information identifying the first device to which the data is transmitted are located in a header of the message.
58. (New) A method for transmitting data to a device, comprising:
determining a transmission protocol based on the device; and
transmitting a message using the transmission protocol, the message comprising the data, information identifying a first data type and information identifying the device to which the data is transmitted.
59. (New) The method of claim 58 wherein determining a transmission based on the device is accomplished using a look-up table.
60. (New) The method of claim 58 wherein the data is transmitted without having received a request for the data from the device.

61. (New) The method of claim 58 wherein the information identifying the device to which the data is transmitted is based on a user selection.
62. (New) The method of claim 58 wherein determining a transmission protocol is further based on the information identifying a first data type.
63. (New) A method for transmitting data of a first data-type to a device, comprising:
determining a second data-type to which the data must be converted;
converting the data from the first data-type to the second data-type; and
transmitting a message comprising the converted data, information identifying the second data-type, and information identifying the device to which the data is transmitted.
64. (New) The method of claim 63 wherein determining a second data-type to which the data must be converted is based on the device to which the data is sent.
65. (New) The method of claim 64 wherein determining the second data-type is further based on the first data-type.
66. (New) A method comprising:
receiving a message, the message comprising data, information identifying a first data-type and information identifying a second data-type; and
determining a resource to which the data is transmitted.
67. (New) The method of claim 66 wherein determining a resource to which the data is transmitted is based on the information identifying the second data-type.
68. (New) The method of claim 66 wherein the information identifying the second data-type indicates a format to which the data must be converted.

69. (New) The method of claim 66 wherein the information identifying the second data-type indicates a resource to which the data is transmitted.
70. (New) The method of claim 67 wherein determining the resource to which the data is transmitted is further determined by a mapping process.
71. (New) The method of claim 66 wherein the information identifying the first data-type and the information identifying the second data-type are located in a header of the message.
72. (New) The method of claim 66 further comprising:
converting the data from the first data-type to the second data-type.
73. (New) The method of claim 72 wherein converting the data from the first data-type to the second data-type is accomplished using a mapping process.
- 21 74. (New) The method of claim 66 wherein the message was not requested by a device receiving the message.
75. (New) The method of claim 66 further comprising:
transmitting a second message comprising the data, the information identifying the first data-type, the information identifying the second data-type, and information identifying a device to which the data is transmitted.
76. (New) The method of claim 75 further comprising receiving a response from the device, the response comprising the data converted to the format of the second data-type.
77. (New) A method comprising:
receiving a message, the message comprising data and information identifying a first

data-type; and

determining a second data-type based on the first data-type.

78. (New) The method of claim 77 wherein the second data-type is further determined based on a resource on a device.
79. (New) The method of claim 77 further comprising converting the data from the first data-type to the second data-type.
80. (New) The method of claim 77 wherein the message was not requested by a device receiving the message.
81. (New) The method of claim 79 wherein converting the data from the first data type to the second data type is accomplished using a mapping process.
82. (New) A method comprising:
receiving a first message, the message comprising data;
determining a first data-type and a second data-type from the first message;
converting the data from the first data-type to a third data-type; and
transmitting a second message, the second message comprising data converted to the third data type, information identifying the third data-type and information identifying the second data-type.
83. (New) The method of claim 82 wherein the first message comprises a header having information identifying the first data-type, information identifying the second data type, information identifying a first device, and information identifying a second device.

84. (New) A method comprising:
- receiving a first message, the first message comprising data and information identifying a first data type;
- determining a device to which the data should be transmitted based on the first data-type;
- and
- transmitting a second message, the second message comprising the data, information identifying the device to which the data is transmitted and the information identifying the first data type.
85. (New) A method comprising:
- receiving information identifying a first device and a second device;
- determining a first data-type based on the information identifying the first device;
- transmitting a message from the first device to the second device, the message comprising data and information identifying the first data-type.
86. (New) The method of claim 85 wherein the first device is a source resource.
87. (New) The method of claim 86 wherein the second device is a destination appliance.
88. (New) The method of claim 86 wherein the second device is a resource on a destination appliance.
89. (New) The method of claim 86 further comprising:
- determining a second data-type based on the information identifying the second device,
- wherein the message transmitted from the first device further comprises information identifying the second data-type.

90. (New) The method of claim 85 further comprising:
receiving a request for a user interface, the user interface comprising controls for the first device; and
transmitting the user interface to a display.
91. (New) The method of claim 90 further comprising:
receiving information from the user interface to configure the first device.
92. (New) The method of claim 85 further comprising:
displaying a representation of the first device; and
displaying a representation of the second device.
93. (New) The method of claim 92 wherein the first device is a source resource.
94. (New) The method of claim 93 wherein the second device is a destination appliance.
95. (New) The method of claim 93 wherein the second device is a destination resource.
96. (New) A method for controlling a remote device comprising:
receiving a request for a user interface, the user interface comprising controls for the remote device;
determining where the user interface is stored; and
transmitting the user interface.
97. (New) The method of claim 96 wherein the user interface is identified by a URL.
98. (New) The method of claim 96 wherein the user interface is a graphical image.

99. (New) The method of claim 96 further comprising:
displaying the user interface.
100. (New) The method of claim 96 further comprising receiving information from a user to
configure the remote device.
101. (New) The method of claim 100 further comprising transmitting information to configure
the remote device based on the information received from the user.
102. (New) The method of claim 85 wherein receiving information identifying a first device
and a second device is in response to a user selection.
- a 103. (New) A method for discovering a device on a network, comprising:
receiving a first message from the device;
if the message contains information identifying how to send data to the device, then
storing the information in memory.
104. (New) The method of claim 103 further comprising:
if the message is requesting information identifying how to send data to other devices,
then
transmitting information identifying how to send data.
105. (New) The method of claim 103 wherein the information identifying how to send data to
the device further identifies a resource on the device.
106. (New) The method of claim 105 wherein the information identifying how to send data to
the device further identifies how to send data to a resource on the device.

107. (New) The method of claim 103 further comprising:
if the message indicates that the device is leaving the network, then
removing the information stored about the device from memory.
108. (New) The method of claim 107 further comprising:
if the message is indicates that the device is present on the network and there is no
information about the device in memory, then
transmitting a request asking the device for information identifying how to send data to
the device.
109. (New) The method of claim 108 further comprising:
if a specified time period has passed and no signal has been received from the device
indicating that the device is still present on the network, then
removing the information stored about the device from memory.
110. (New) A system for transmitting a message signal including data of a first data-type to a
first device, comprising:
means for determining a second data-type to which the data must be converted; and
means for transmitting a message signal, the message signal comprising the data,
information identifying the first data-type, information identifying the second data-type,
and information identifying the first device to which the data is transmitted.
111. (New) A system for transmitting data to a device, comprising:
means for determining a transmission protocol based on the device; and
means for transmitting a message using the transmission protocol, the message

comprising the data, information identifying a first data type and information identifying the device to which the data is transmitted.

112. (New) A system for transmitting data of a first data-type to a device, comprising:
means for determining a second data-type to which the data must be converted;
means for converting the data from the first data-type to the second data-type; and
means for transmitting a message comprising the converted data, information identifying the second data-type, and information identifying the device to which the data is transmitted.
113. (New) A system comprising:
means for receiving a message, the message comprising data, information identifying a first data-type and information identifying a second data-type; and means for determining a resource to which the data is transmitted.
114. (New) The system of claim 113 further comprising:
means for transmitting a second message comprising the data, the information identifying the first data-type, the information identifying the second data-type, and information identifying a device to which the data is transmitted.
115. (New) A system comprising:
means for receiving a message, the message comprising data and information identifying a first data-type; and
means for determining a second data-type based on the first data-type.

116. (New) A system comprising:

means for receiving a first message, the message comprising data;
means for determining a first data-type and a second data-type from the first message;
means for converting the data from the first data-type to a third data-type; and
means for transmitting a second message, the second message comprising data converted to the third data type, information identifying the third data-type and information identifying the second data-type.

117. (New) A system comprising:

means for receiving a first message, the first message comprising data and information identifying a first data type;
means for determining a device to which the data should be transmitted based on the first data-type; and
means for transmitting a second message, the second message comprising the data, information identifying the device to which the data is transmitted and the information identifying the first data type.

118. (New) A system comprising:

means for receiving information identifying a first device and a second device;
means for determining a first data-type based on the information identifying the first device;
means for transmitting a message from the first device to the second device, the message comprising data and information identifying the first data-type.

119. (New) A system for controlling a remote device comprising:
means for receiving a request for a user interface, the user interface comprising controls for the remote device;
means for determining where the user interface is stored; and
means for transmitting the user interface.
120. (New) A system for discovering a device on a network, comprising:
means for receiving a first message from the device;
means for if the message contains information identifying how to send data to the device, then
means for storing the information in memory.
121. (New) Computer executable software code stored on a computer readable medium, the code for transmitting a message signal including data of a first data-type to a first device, comprising:
code to determine a second data-type to which the data must be converted; and code to transmit a message signal, the message signal comprising the data, information identifying the first data-type, information identifying the second data-type, and information identifying the first device to which the data is transmitted.
122. (New) Computer executable software code stored on a computer readable medium, the code for transmitting data to a device, comprising:
code to determine a transmission protocol based on the device; and
code to transmit a message using the transmission protocol, the message comprising the

data, information identifying a first data type and information identifying the device to which the data is transmitted.

123. (New) Computer executable software code stored on a computer readable medium, the code for transmitting data of a first data-type to a device, comprising:
code to determine a second data-type to which the data must be converted;
code to convert the data from the first data-type to the second data-type; and
code to transmit a message comprising the converted data, information identifying the second data-type, and information identifying the device to which the data is transmitted.
124. (New) Computer executable software code stored on a computer readable medium, comprising:
code to receive a message, the message comprising data, information identifying a first data-type and information identifying a second data-type; and
code to determine a resource to which the data is transmitted.
125. (New) The computer executable software of claim 124 further comprising:
code to transmit a second message comprising the data, the information identifying the first data-type, the information identifying the second data-type, and information identifying a device to which the data is transmitted.
126. (New) Computer executable software code stored on a computer readable medium, comprising:
code to receive a message, the message comprising data and information identifying a

first data-type; and

code to determine a second data-type based on the first data-type.

127. (New) Computer executable software code stored on a computer readable medium, comprising:

code to receive a first message, the message comprising data;

code to determine a first data-type and a second data-type from the first message;

code to convert the data from the first data-type to a third data-type; and

code to transmit a second message, the second message comprising data converted to the third data type, information identifying the third data-type and information identifying the second data-type.

128. (New) Computer executable software code stored on a computer readable medium, comprising:

code to receive a first message, the first message comprising data and information identifying a first data type;

code to determine a device to which the data should be transmitted based on the first data-type; and

code to transmit a second message, the second message comprising the data, information identifying the device to which the data is transmitted and the information identifying the first data type.

129. (New) Computer executable software code stored on a computer readable medium, comprising:

code to receive information identifying a first device and a second device;

code to determine a first data-type based on the information identifying the first device;
code to transmit a message from the first device to the second device, the message comprising data and information identifying the first data-type.

130. (New) Computer executable software code stored on a computer readable medium, the code for controlling a remote device, comprising:

code to receive a request for a user interface, the user interface comprising controls for the remote device;

code to determine where the user interface is stored; and

code to transmit the user interface.

131. (New) Computer executable software code stored on a computer readable medium, the code for discovering a device on a network, comprising:

code to receive a first message from the device;

if the message contains information identifying how to send data to the device, then

code to store the information in memory.

132. (New) A system for transmitting a message signal including data of a first data-type to a first device, comprising:

a storage device storing a program; and

a processor in communication with the storage device, the processor operative with the program to:

determine a second data-type to which the data must be converted; and

transmit a message signal, the message signal comprising the data, information

identifying the first data-type, information identifying the second data-type, and information identifying the first device to which the data is transmitted.

133. (New) A system for transmitting data to a device, comprising:
a storage device storing a program; and
a processor in communication with the storage device, the processor operative with the program to:
determine a transmission protocol based on the device; and
transmit a message using the transmission protocol, the message comprising the data, information identifying a first data type and information identifying the device to which the data is transmitted.

134. (New) A system for transmitting data of a first data-type to a device, comprising:
a storage device storing a program; and
a processor in communication with the storage device, the processor operative with the program to:
determine a second data-type to which the data must be converted;
convert the data from the first data-type to the second data-type; and
transmit a message comprising the converted data, information identifying the second data-type, and information identifying the device to which the data is transmitted.

135. (New) A system comprising:
a storage device storing a program; and
a processor in communication with the storage device, the processor operative with the program to:

receive a message, the message comprising data, information identifying a first data-type and information identifying a second data-type; and
determine a resource to which the data is transmitted.

136. (New) The system of claim 135 wherein the processor is further operative with the program to:

transmit a second message comprising the data, the information identifying the first data-type, the information identifying the second data-type, and information identifying a device to which the data is transmitted.

137. (New) A system comprising:

a storage device storing a program; and

a processor in communication with the storage device, the processor operative with the program to:

receive a message, the message comprising data and information identifying a first data-type; and

determine a second data-type based on the first data-type.

138. (New) A system comprising:

a storage device storing a program; and

a processor in communication with the storage device, the processor operative with the program to:

receive a first message, the message comprising data;

determine a first data-type and a second data-type from the first message;

convert the data from the first data-type to a third data-type; and

transmit a second message, the second message comprising data converted to the third data type, information identifying the third data-type and information identifying the second data-type.

139. (New) A system comprising:

a storage device storing a program; and

a processor in communication with the storage device, the processor operative with the program to:

receive a first message, the first message comprising data and information identifying a first data type;

determine a device to which the data should be transmitted based on the first data-type;

and

transmit a second message, the second message comprising the data, information identifying the device to which the data is transmitted and the information identifying the first data type.

140. (New) A system comprising:

a storage device storing a program; and

a processor in communication with the storage device, the processor operative with the program to:

receive information identifying a first device and a second device;

determine a first data-type based on the information identifying the first device;

transmit a message from the first device to the second device, the message comprising data and information identifying the first data-type.

141. (New) A system for controlling a remote device comprising:

a storage device storing a program; and

a processor in communication with the storage device, the processor operative with the program to:

receive a request for a user interface, the user interface comprising controls for the remote device;

determine where the user interface is stored; and

transmit the user interface.

142. (New) A system for discovering a device on a network, comprising:

a storage device storing a program; and

a processor in communication with the storage device, the processor operative with the program to:

receive a first message from the device;

if the message contains information identifying how to send data to the device, then store the information in memory.